

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	551	381/1.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/26 16:14
L2	133	381/1.ccls. and feedback	US-PGPUB; USPAT	OR	ON	2007/07/26 13:22
L3	540	381/61.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/26 16:08
L4	1	"5363147".pn.	US-PGPUB; USPAT	OR	ON	2007/07/26 14:45
L5	831	381/106-107.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/26 16:08
L6	121	381/106-107.ccls. and Harm\$9	US-PGPUB; USPAT	OR	ON	2007/07/26 16:13
L7	1351	381/104,106-107,109.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/26 16:13
L8	1314	381/83,93,95-96,98,318.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/26 16:15
S1	7	("5305388" "5359665" "5668885" "4150253" "4700390" "5771296" "4739514").pn.	US-PGPUB; USPAT	OR	ON	2006/09/19 10:32
S2	5	("4182930" "4790014" "5359665" "5771296" "5668885").pn.	US-PGPUB; USPAT	OR	ON	2005/10/31 14:25
S3	0	"10030521".ap.	US-PGPUB; USPAT	OR	ON	2005/10/31 14:26
S4	4	"030521".ap.	US-PGPUB; USPAT	OR	ON	2005/10/31 16:12
S5	50	("5357214" "4841382" "5309519" "5867768" "5867575" "5651071" "5758321" "3878472" "4346640" "4479240" "4813419" "5187734" "5194682" "5214543" "5225944" "5245665" "5247126" "5255326" "5270480" "5286907" "5294745" "5321200" "5349480" "5481599" "5494443" "5506370" "5506690" "5608700" "5625463" "5641927" "5647011" "5654516" "5684262" "5712437" "5739452" "5757941" "5764512" "5802190" "5804754" "5817965" "5831190" "5839108" "5869783" "5889383" "5946401" "5986199" "5993220" "6025553" "6148086" "6246773").pn.	US-PGPUB; USPAT	OR	ON	2005/10/31 16:22
S6	424	381/104.ccls.	US-PGPUB; USPAT	OR	ON	2005/10/31 17:59

## EAST Search History

S7	406	381/107.ccls.	US-PGPUB; USPAT	OR	ON	2005/10/31 18:32
S8	241	381/109.ccls.	US-PGPUB; USPAT	OR	ON	2005/10/31 18:45
S9	567	381/98.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/01 09:28
S10	14	VIERTHALER.in.	US-PGPUB; USPAT	OR	ON	2005/11/01 09:43
S11	50	winterer.in.	US-PGPUB; USPAT	OR	ON	2005/11/01 09:44
S12	0	M\$-winterer.in.	US-PGPUB; USPAT	OR	ON	2005/11/01 09:44
S13	17	winterer-M\$.in.	US-PGPUB; USPAT	OR	ON	2005/11/01 09:53
S14	427	381/61.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/01 09:55
S15	133	381/61.ccls. and harmoni\$	US-PGPUB; USPAT	OR	ON	2005/11/01 09:55

## EAST Search History

S16	53	(US-20020076072-\$ or US-20040096068-\$ or US-20050232445-\$ or US-20030002684-\$ or US-20030044023-\$ or US-20050013446-\$ or US-20020173950-\$ or US-20050141727-\$ or US-20030044024-\$ or US-20050175185-\$).did. or (US-2760011-\$ or US-2866849-\$ or US-4000370-\$ or US-4150253-\$ or US-4182930-\$ or US-4457020-\$ or US-4696044-\$ or US-4700390-\$ or US-4739514-\$ or US-4790014-\$ or US-5068903-\$ or US-5070527-\$ or US-5138665-\$ or US-5301236-\$ or US-5305388-\$ or US-5355419-\$ or US-5359665-\$ or US-5369711-\$ or US-5371803-\$ or US-5410265-\$ or US-5481617-\$ or US-5574791-\$ or US-5668885-\$ or US-5684262-\$ or US-5737434-\$ or US-5771296-\$). did. or (US-6084974-\$ or US-6782107-\$ or US-6882976-\$ or US-6931139-\$ or US-5388159-\$ or US-5418859-\$ or US-5550925-\$ or US-5832097-\$ or US-5930373-\$ or US-6111960-\$ or US-6134330-\$ or US-6792115-\$ or US-6023513-\$ or US-6335973-\$ or US-6456718-\$ or US-6606388-\$ or US-6845165-\$). did.	US-PGPUB; USPAT	OR	ON	2005/11/02 16:16
S17	425	381/104.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/02 10:47
S18	407	381/107.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/02 10:47
S19	241	381/109.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/02 10:47
S20	568	381/98.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/02 10:47
S21	427	381/61.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/02 10:47
S22	1779	S17 S18 S19 S20 S21	US-PGPUB; USPAT	OR	ON	2005/11/02 10:47
S23	159	S22 and limiter	US-PGPUB; USPAT	OR	ON	2005/11/02 16:52
S24	51	S22 and limiter and harmoni\$	US-PGPUB; USPAT	OR	ON	2005/11/02 11:02

## EAST Search History

S25	1	(US-5828755-\$ ).did.	US-PGPUB; USPAT	OR	ON	2005/11/02 16:16
S26	425	381/104.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/02 16:53
S27	407	381/107.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/02 16:53
S28	241	381/109.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/02 16:53
S29	568	381/98.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/02 16:53
S30	427	381/61.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/02 16:53
S31	1779	S26 S27 S28 S29 S30	US-PGPUB; USPAT	OR	ON	2005/11/02 16:53
S32	6	S31 and (limiter near thresh\$)	US-PGPUB; USPAT	OR	ON	2005/11/02 16:53
S33	369	381/93	US-PGPUB; USPAT	OR	ON	2005/11/03 15:59
S34	178	381/93.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/11 17:36
S36	129	381/83.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/03 16:29
S37	95	381/318.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/03 16:29

## EAST Search History

S38	62	(US-20020076072-\$ or US-20020173950-\$ or US-20030002684-\$ or US-20030044023-\$ or US-20030044024-\$ or US-20040096068-\$ or US-20050013446-\$ or US-20050141727-\$ or US-20050175185-\$ or US-20050232445-\$ or US-20050047620-\$).did. or (US-2760011-\$ or US-2866849-\$ or US-4000370-\$ or US-4150253-\$ or US-4182930-\$ or US-4457020-\$ or US-4696044-\$ or US-4700390-\$ or US-4739514-\$ or US-4790014-\$ or US-5068903-\$ or US-5070527-\$ or US-5138665-\$ or US-5301236-\$ or US-5305388-\$ or US-5355419-\$ or US-5359665-\$ or US-5369711-\$ or US-5371803-\$ or US-5388159-\$ or US-5410265-\$ or US-5418859-\$ or US-5481617-\$ or US-5550925-\$ or US-5574791-\$ or US-5668885-\$). did. or (US-5684262-\$ or US-5737434-\$ or US-5771296-\$ or US-5828755-\$ or US-5832097-\$ or US-5930373-\$ or US-6023513-\$ or US-6084974-\$ or US-6111960-\$ or US-6134330-\$ or US-6335973-\$ or US-6456718-\$ or US-6606388-\$ or US-6782107-\$ or US-6792115-\$ or US-6845165-\$ or US-6882976-\$ or US-6931139-\$ or US-RE38822-\$ or US-3566285-\$ or US-4405831-\$ or US-4905290-\$ or US-4783818-\$ or US-6594368-\$ or US-6347148-\$). did.	US-PGPUB; USPAT	OR	ON	2006/05/08 17:02
S39	108	381/102.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/10 12:27
S40	90	381/108.ccls.	US-PGPUB; USPAT	OR	ON	2005/11/10 12:46
S41	267	limiter near threshold	US-PGPUB; USPAT	OR	ON	2005/11/10 12:47
S42	35171	limiter	US-PGPUB; USPAT	OR	ON	2005/11/11 17:36
S43	10548	limiter and threshold	US-PGPUB; USPAT	OR	ON	2005/11/11 17:37
S44	3257	limiter same threshold	US-PGPUB; USPAT	OR	ON	2005/11/11 17:37

## EAST Search History

S45	1548	S44 and gain	US-PGPUB; USPAT	OR	ON	2005/11/11 17:38
S46	0	S44 same "less than"	US-PGPUB; USPAT	OR	ON	2005/11/11 17:38
S47	0	S44 same "greater than"	US-PGPUB; USPAT	OR	ON	2005/11/11 17:38
S48	3258	S44 "greater than"	US-PGPUB; USPAT	OR	ON	2005/11/11 17:38
S49	0	S44 and "greater than"	US-PGPUB; USPAT	OR	ON	2005/11/11 17:38
S50	0	S44 and "less than"	US-PGPUB; USPAT	OR	ON	2005/11/11 17:38
S51	159	S45 and "381".clas.	US-PGPUB; USPAT	OR	ON	2005/11/11 17:39
S52	0	(US-611960-\$).did.	US-PGPUB; USPAT	OR	ON	2006/05/08 17:02
S53	1	(US-611960-\$).did.	US-PGPUB; USPAT	OR	ON	2006/05/08 17:05
S54	461	381/104.ccls.	US-PGPUB; USPAT	OR	ON	2006/05/08 17:40
S55	434	381/107.ccls.	US-PGPUB; USPAT	OR	ON	2006/05/08 18:04
S56	607	381/106,109.ccls.	US-PGPUB; USPAT	OR	ON	2006/05/08 18:04
S57	603	381/98.ccls.	US-PGPUB; USPAT	OR	ON	2006/05/09 12:54
S58	1	"6792115".pn.	US-PGPUB; USPAT	OR	ON	2006/05/09 13:00
S59	458	381/61.ccls.	US-PGPUB; USPAT	OR	ON	2006/05/09 13:10
S60	186	381/93.ccls.	US-PGPUB; USPAT	OR	ON	2006/05/09 13:14
S61	133	381/83.ccls.	US-PGPUB; USPAT	OR	ON	2006/05/09 13:16
S62	102	381/318.ccls.	US-PGPUB; USPAT	OR	ON	2006/05/09 13:20
S63	42	381/95.ccls.	US-PGPUB; USPAT	OR	ON	2006/05/09 13:26
S64	262	381/96.ccls.	US-PGPUB; USPAT	OR	ON	2006/05/09 13:26
S66	1276	381/104,106,107,109.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/19 10:51
S67	632	381/98.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/19 10:56

## EAST Search History

S68	486	381/61.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/19 10:58
S69	495	381/93,95,96.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/19 11:00
S70	136	381/83.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/19 11:02
S71	107	381/318.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/19 11:20
S72	1451	"381".ccls. limiter with feedback	US-PGPUB; USPAT	OR	ON	2006/09/19 11:22
S73	60	"381".clas. and limiter with feedback	US-PGPUB; USPAT	OR	ON	2006/09/19 11:23
S74	92	381/108.ccls.	US-PGPUB; USPAT	OR	ON	2006/09/19 15:15
S75	41986	381/108.ccls. bandpass	US-PGPUB; USPAT	OR	ON	2006/09/19 15:15
S76	8	381/108.ccls. and bandpass	US-PGPUB; USPAT	OR	ON	2006/09/19 15:15